12" Driver Speed Aware Radar Sign

Speed Aware Radar Signs offers an economical and simple solution to help increase driver speed awareness and road safety. The bright 12" characters can be seen from up to 600' away, and help increase driver speed awareness on neighborhood streets where so many small accidents occur every year. Designed for situations where drivers need to simply be alerted of their current speed.

Manufactured in the USA in an ISO 9001:2015 certified facility, meeting and exceeding industry standards and state testing requirements.

Features:

• IR remote for configuration and basic programming
• 100% MUTCD compliant
• Complete 20W and 60W Solar
• Solar units integrate battery providing several days of normal operation on a single charge without the assistance of the solar panel
• K-band (24.15GHz) radar, range 650+ feet.
• 3 year limited warranty

Package Includes:

Driver Feedback sign, mounting bracket, integrated power supply, IR remote, installation and user manual.

12" Speed Aware Radar Sign Spec Sheet

Feature	Specifications
LED and Radar Components	
Speed Display Height	12" high numbers
Configuration	Seven-Segment Display
"YOUR SPEED" Legend	4" high highway gothic font (MUTCD compliant)
LED, 1/2 Cone Angle	Amber (590nM); ½ Angle 15°; Rated 100,000 hours; 20,000 CDA/ M^2, Auto Dimming employed
Amber LED on Axis Intensity	20,000 CDA/SQ meter
Sign Legibility	Viewable range: 1,000 feet, legible range: 600 feet
Speed Resolution and Range	Min 5 mph; Max 99 mph in 1 mph steps (min 8 kph, max 99 kph in 1.6 kph steps)
Radar Specification and Range	K-band (24.15GHz) direct sensing; license free (FCC part 15 compliant); average range at 450 feet (plus 400' or minus 100' depending on vehicle size)
Materials and Construction	
Chassis Size/Total Weight	24" width x 30" height x 2-1/4" depth; 35 pounds with battery
Front Face Sheeting	3M™ Diamond Grade™, high visibility prismatic, long life protective sheeting
Sign Face Color	White; fluorescent yellow-green; with additional colors optional
Sign Mounting Construction	1/8" thick aluminum brackets and face; standard 3% tilt bracket configuration; flat mount brackets optional
Vandal Resistant Construction	Sealed electronics box (ECS) 1/16" thick aluminum enclosure attached to a 1/8" thick mounting plate. The ECS is removable from the chassis as a complete unit.
	3/16" high impact polycarbonate face with high contrast mask; anti-glare graffiti and sunlight resistant
	Provisions for padlocking in place are provided
	Standard DOT powder coat green color with additional colors optional
Electronics Enclosure Rating	Weatherproof; NEMA 3R
Mounting	Quick detachable mount (lockable). Mount capable of being bolted or banded to a 2" Square pole, U-channel pole, 2½ or larger round pole, or flat surface.
Regulatory Static Sign	Speed is 25 MPH on Base. The placards are 1,3,0,4 which allows speeds from 05 - 45 MPH
Electrical Specifications	
Power Requirements	12VDC, low standby: average day at 8.5W; average night at 1.5W
Voltage Requirements	9V-30VDC; 12VDC Nominal (Input protection at 11.5VDC and 10.8VDC; startup at 12.3VDC)
Solar Power Option	Comes complete with a 20 or 60 Watt Polycrystalline panel, panel mount, and integrated Solar Charger
	Integrated 30 AH NiMH battery pack
AC Power Option	Outdoor (IP68) rated ULC 100-277VAC Power Supply, 5.00A output at 12VDC.
Operating Temperature	Internal components: -34°C to +74°C/-29°F to +165°F
	Ambient environment: -34°C to +60°C/-29°F to 140°F
Programming Specifications	
Programmable Display Features	Min speed to display, over speed, and maximum speed to display
	Display type: actual speed; flashing digits; steady digits
Schedules	Repeating daily: 1 event
Communications	IrDA Compliant Wireless Remote